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Punctum or place of nourishment: Else I do not see why they should not be adhering to the Womb from the first Conception, or why (as I have said) many hundreds of them are not conceived and formed together, &c.

Observatio Mercurii sub Sole visi, ultimo Octobris 1690.
 Stil. vet. habita Noribergæ ab Astronomo accuratissimo
 Johanne Phil. Wurtzelbaur, atque ab eodem cum Reg.
 Societate communicata.

Mercurius sub Sole inque ejus disco, hoc seculo vix aliquoties ope Telescopii, ante hujus inventionem autem ab orbe condito nusquam gentium observatus est. Sub finem Octobris labentis hujus anni denuò observandum ex. Tabb. Rudolphinarum calculo celeberrimi Logistæ predixerunt. Cum verò nemo qui delicias Urania vel primis degustârit labris, rarissimum hujusmodi & jucundissimum Phenomenon contueri non summa aviditate exoptâret: eo ipso & ego invitatus illi observando invigilare decrevi, nihil morans, quòd cælum jam ab aliquot septimanis nube serè continuâ obductum vix aliquid spei successus optati concesserit: Præcedentis equidem diei vespera noctisq; primordia nubes aliquantulum dissipârunt, sed nox adulta Cælum ab omni parte denuò obvelavit, ut hora ante Solis exortum totum obductum extiterit, nec ipsemet Sol jam satis elevatus suis radiis invidos hosce vapores penetrare valuerit: Paulò verò postquam Zephyri à parte occidua Horizontem repurgare ceperunt, ingruent illinc serenitas addidit animum, ut voti competeret futurum haud amplius desperaverim; nubes etiam in plagâ orientali retro cedere, & ad Horizontem constipari videns, Tuum illò ubi emersio Solis è nebulis expectanda erat direxi;

direxi; & postquam emergens ejus discus ad tabulam observatoriam affluxerat, illum supernè macula quadam mediocri affectum animadverti, quam etiam nisi presentia Mercurii expectanda fuisset, nec illa motum suum satis evidenter acceleravisset, pro solari arripuissem. Sed utinam paulò citius Sol è nebulis evasisset, ut Mercurii viam itinerariam & angulum orbita ejus cum Eclipticâ notare licuisset; nam distantem vix ultra dimidium à limbo digitum jamjam exiturum deprehendimus: accessit etiam auræ haud satis defecate incommodum. Discus enim Solis ceu trans undam limpidissimam apparuit, ideoq; limbum & ipsi appropinquans Mercurii corpus ob undulationem terminis præcis cernere non licuit: tandem cum limbi mutuo contactu se stringerent, in confinio lucis solaris exiens Mercurii corpus opacum rotunditatem suam, quam antea sub figura oblonga ostenderat, recuperavit; ita ut ejus diameter majori pristinae Ellipseos diametro ferè æquaretur: & postquam limbus uterq; ad minutum ferè sibi invicem adhaerere viderentur, H. 8. Min. 36. Oscillatorii nostri Mercurius totus disco exiisse observatus est. Reliqua momenta & quæ pro correctione eorum notabantur Culminationes & Altitudines Tabella sequens exhibet.

Mercurius

Mercurius in Sole observatus Noribergæ A. C. R. 1690. Die ult. Octob a Joh. Phil. Wurzelbaur.

Temp. Horol.
Oscillat.

Tempora
Supputata

H. M. S. Die 30 Octob. P. M.

6 32 00 Culminat os Pegasi

9 00 00 Culm. Cap. Andromedæ

9 04 00 Culm. Jupiter.

Die 31 Octob. A. M.

6 30 00 Cælum undiq; nubibus obductum ut

7 30 00 Solis exortus observari nequiret.

8 00 00 Nubes ob occasu vers. Ortum propelluntur, & vi Ventorum ibid. ad Horizontem constipantur.

8 30 00 Sol è nubibus emerfit, Mercurius in disco ejus supernè in Tab. observatoria, à Verticali ad dextram (reverà ad lævam) distans plus quam dim. dig. a limbo exiturus apparuit.

8 36 00 Mercurius postquam undulanti limbo Solis ad Min. temporis adhæserat, exiit ad 14° à Zenith septentrionem versus.

H. M. S.

8 49 00 Altitudo Solis 10 05

8 59 45 Alt. Solis 11 10

9 07 10 Alt. Solis 12 10

9 50 00 Alt. Sol. 16 28

11 01 30 Alt. Sol. 21 31

H. M. S.

8 38 38

8 47 48

8 56 24

9 38 07

10 56 32

Ratio diametrorum Solis & nuclei Mercurii, dum Lucido Solis disco immorabatur, quantum per auram haud satis defæcatam conjici poterat, erat ut 1000 ad 8 $\frac{1}{2}$. Postea quam ad limbum Solis pervenerat, ejusq; limbo undulanti ad Minutium ferè adhæsitârat & genuinam rotunditatem suam (quæ antea ex luce Disci Solaris formam quasi ellipticam mentiebatur) recuperârat, erat ut 1000 ad 12 $\frac{3}{4}$.

An